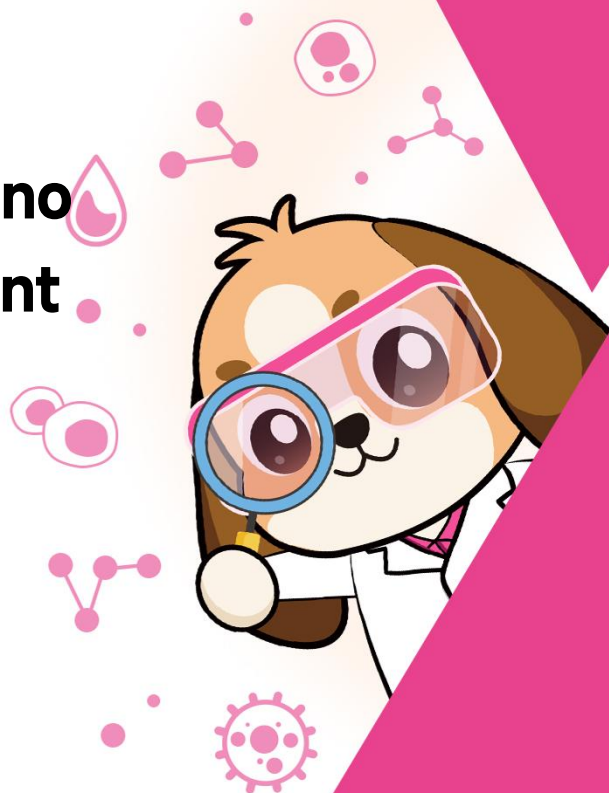


## User Manual

# OriCell™ Non-Essential Amino Acid Cell Culture Supplement (100X)

Catalog No. NEAA-10201



## Introduction

OriCell™ Non-Essential Amino Acid Cell Culture Supplement (100X) contains 7 kinds of non-essential amino acids required for cell culture, which can effectively improve the ratio of cell culture medium.

Most cells can synthesize non-essential amino acids (NEAAs) through glutaminolysis, glycolysis, or the TCA cycle. When the concentrations of these amino acids are low, cells need to consume more glucose and glutamine in the medium and produce excess of other products, which may affect cell growth. The addition of NEAA to the cell culture medium can reduce the adverse effects of the cells' own production of non-essential amino acids during cell culture.

**Note:** This product is only provided for further scientific research. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic journals, please indicate “OriCell™ + Catalog Number, from Cyagen Biosciences (Guangzhou) Inc.”

## Product Information

Types of Amino Acids	Concentration (mg/L)
Glycine	750
L-Alanine	890
L-Asparagine	1320
L-Aspartic Acid	1330
L-Glutamic Acid	1470

L-Proline	1150
L-Serine	1050

## QC

- Pass the detection of bacteria, fungi, mycoplasma and endotoxins.
- Pass the detection of osmotic pressure and pH.
- Pass the detection of product quality.

Please reference "COA" for details.

## Product Stability and Storage Conditions

1. This reagent needs to be stored at 2~8°C, and the shelf life is 1 year.
2. If it cannot be used up in a short time, it should be stored in separate packages to avoid repeated freezing and thawing.
3. Please use product within the expiration date. Expired ingredients may significantly affect the cell culture effect.

## Instructions

1. Mix the OriCell™ Non-Essential Amino Acid Cell Culture Supplement (100X) by shaking well before use.
2. In a volume ratio of 1 (NEAA): 100 (complete medium), pipette the required culture supplements into

the basal medium.

3. Thoroughly mix the complete medium and protect it with aluminum foil or other light-proof equipment.

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